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ABSTRACT

A new world has arrived in which computer and communications technologies will transform the national and global economies into information-driven economies. This is triggering the Information Revolution, which will have political and societal impacts every bit as profound as those of the Industrial Revolution. The 21st century is viewed as one that will implement the mass-enlightenment, which will integrate the world commercially and culturally as a New Information Civilization. Aimed at professionals, scholars, and students, this book is divided into three sections: National Information Infrastructure, Enterprise Information Infrastructures, and Local Information Infrastructure. The book includes the following chapters and highlights: (1) Information Utility (Information Utility Technology, Standards and Protocols, Message Signaling and Organization, Telco Switching Networks, User Computer Networks, Transborder Data Flow, Global Telematic Policy, and Managing Global Information Technology); (2) Telematic Services (Electronic Transaction Processing Services, Electronic Commerce, Electronic Information Services, Electronic Communications Services, Networking Telecommunications Services, and Cable and Broadcast TV Information Services); (3) Electronic Money; (4) Electronic Knowledge (Innovations and Democracy, Role of Information Technology in Libraries, and Alternative Futures for Libraries); (5) Virtual Business; (6) On-Line Government (A Case of the City of Kalamazoo, Michigan); (7) Virtual Schools and Universities (Society-Economy-Education, Careers and Work Trends, Education Technology Trends, Distance Learning, Electronic Schools, Electronic

Universities, and Electronic Classrooms); and (8) TeleCity (the New Urban Landscape through Telework, a New Information Landscape of North America, a City as an Electronic Global Village, and the Electronic Town). (Contains references at the end of each chapter.) (Author/SWC)

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